

Flame-retardant polycarbonate resin composition

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Inventor(s): SATOSHI UMEYAMA [JP]; TADASHI SHINOMIYA [JP]; ICHIRO SATO [JP]

Applicant(s): SUMITOMO DOW LTD [JP]

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This invention is a flame resistant polycarbonate resin composition characterized by blending 0.01-2 weight parts of a silicone compound (B)) wherein a main chain has a branch structure and having an aromatic group in an organic substituent, 0.01-2 weight parts of an alkali metal salt of an aromatic sulfonic acid (C) represented by the following general formula 1 (hereafter, referred to as general formula 1), and 0.05-5 weight parts of a fiber-forming

fluorine-containing polymer (D), relative to 100 parts of a polycarbonate resin (A): General formula 1: $\text{Am-R-(SO}_3\text{M)}_n$ (wherein, R is a phenyl group, naphthyl group, or a phenyl group or naphthyl group substituted by A, where A is at least one type of substituent chosen from a group comprising a halogen atom, alkyl group, aryl group, vinyl group, alkoxy group, amino group, methyl ester group and ethyl ester group, and M is an alkali metal. Also, when R is phenyl, m and n are respectively the integers 0-5 and 1-2 ($m+n \leq 6$), and when R is naphthyl, m and n are respectively the integers 0-7 and 1-2 ($m+n \leq 8$). The polycarbonate resin composition of this invention possesses superior flame resistance without losing shock resistance and moldability, and as it does not contain halogen fire retardants manufactured from chlorine and bromine compounds, there is no concern about generation of gases containing halogen from the fire retardant during combustion.